CLAIMS

What is claimed:

1	1.	A method for organizing and aiding the interpretation of gene data, said method		
2	comprising the steps of:			
3	receiv	receiving gene names;		
4	associating the gene names to gene-word pair relationships; and			
5	grouping the gene names with high strength of gene-word relationships, the strength of			
6	the gene-word relationships corresponding to the relatedness in function of corresponding			
7	grouped genes.			
	3 - 1 - 5			
1	2.	The method of claim 1, wherein the receiving gene names includes receiving alias		
2	names for the gene names.			
1	3.	The method of claim 1, further including querying the gene names in a literature		
2	database.			
1	4.	The method of claim 3, wherein the receiving includes, responsive to the query of		
2	the gene names in a literature database, receiving abstracts comprising the gene names.			
1	5.	The method of claim 4, further including generating a background set and a query		
2	set from the returned abstracts.			
1	6.	The method of claim 5, further including calculating word frequencies in the		
2	query set and the background set.			
1	7.	The method of claim 6, further including providing a numerical value calculated		
2	for each word in which a word frequency was calculated for the query set.			

1	8.	The method of claim 7, wherein the providing includes calculating z scores.	
1	9.	The method of claim 7, wherein the providing includes using term frequency-	
2	inverse document frequency methods.		
1	10.	The method of claim 4, further including stemming words of the returned	
2	abstracts.		
1	11.	The method of claim 10, further including filtering the stemmed words using a	
2	stop list.		
1	12.	A system for organizing and aiding the interpretation of data, said system	
2	comprising:		
3	a memory with logic; and		
4	a processor configured with the logic to receiving gene names, said processor further		
5	configured with the logic to associate the gene names to gene-word pair relationships, said		
6	processor further configured with the logic to group the gene names with high strength of gene-		
7	word relationships, the strength of the gene-word relationships corresponding to the relatedness		
8	in function of corresponding grouped genes.		
1	13.	The system of claim 12, wherein the processor is further configured with the logic	
2	to generate ke	ywords that describe the common function of each group.	

1	14. A system for organizing and aiding the interpretation of gene data, said	system
2	comprising:	
3	means for receiving gene names;	
4	means for associating the gene names to gene-word pair relationships; and	
5	means for grouping the gene names with a similar strength of gene-word relationships,	, the
5	strength of the gene-word relationships corresponding to the relatedness in function of	•
7	corresponding grouped genes.	